

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/074102 A1

(51) International Patent Classification⁷: H02K 5/24, 5/22

Leonid [AU/AU]; 4 Carina Street, Hallet Cove, S.A. 5158 (AU). FLYNN, Daniel, Joseph [AU/AU]; 29 Alexander Avenue, Morphett Vale, S.A. 5162 (AU).

(21) International Application Number:
PCT/AU2005/000089

(74) Agent: MADDERNS; Level 1, 64 Hindmarsh Square, Adelaide, S.A. 5000 (AU).

(22) International Filing Date: 28 January 2005 (28.01.2005)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

(26) Publication Language: English

(30) Priority Data:
2004900349 28 January 2004 (28.01.2004) AU

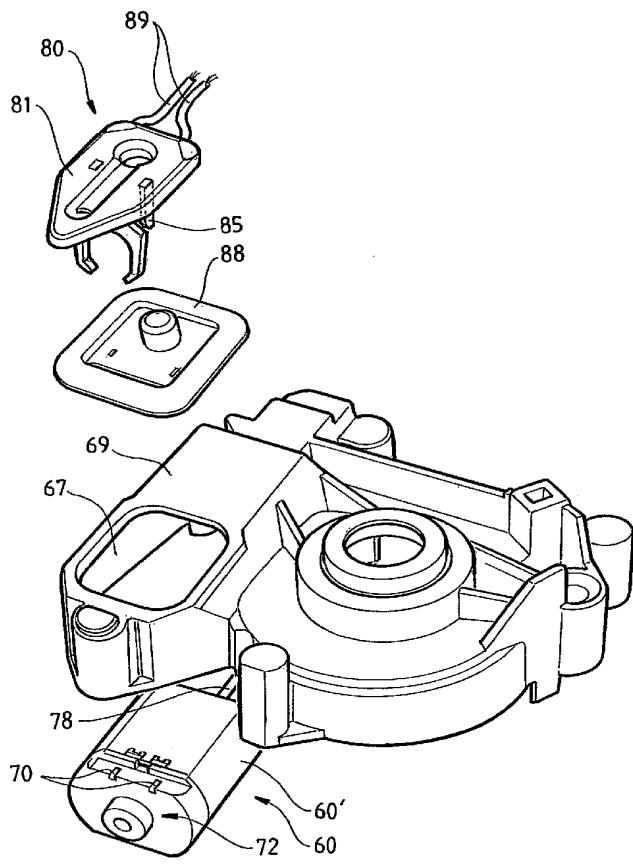
(71) Applicant (for all designated States except US): SCHEFENACKER VISION SYSTEMS AUSTRALIA PTY LTD [AU/AU]; Sherriffs Road, Lonsdale, S.A. 5160 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): OLIJNYK, Mark,

[Continued on next page]

(54) Title: ELECTRICAL CONNECTOR FOR A SMALL ELECTRIC MOTOR



(57) Abstract: A small electric motor and motor housing assembly comprising: a small electric motor body (60') having a pair of spaced apart sockets (70) for receiving and frictionally engaging spaced apart parallel electrical power supply terminals (85, 86); a moulded plastic housing (69) housing the motor (60), the housing (69) defining an aperture (67) over the sockets (70); a connector body (81); a pair of spaced apart parallel electrical terminals (85, 86) extending outwards from the connector body (81) and receivable by the sockets (70); a motor body gripping portion extending from the connector body (81), the gripping portion mechanically latched to the motor body (60') thereby substantially preventing relative movement between the terminals (85, 86) and the sockets (70); a resilient member (88) mounted between the connector body (81) and the housing (69), the resilient member (88) allowing relative movement between the connector body (81) and the housing (69) while the motor (60) moves relative to the housing (69) under varying loads.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*